

Attorney Docket No. JC 29331  
Application of Heine et al.

1. 1. A method for adjusting functions of an electronic device based on location  
2. of the electronic device, the method comprising the steps of:
  3. determining a current location of the electronic device;
  4. determining a current sector associated with said current location;
  5. evaluating said current sector to determine if one or more zone is  
6. associated with said current sector; and
  7. executing an action to adjust a function of the electronic device if  
8. determined that at least one said zone is associated with said current  
9. sector and said current location is within at least one said zone.
1. 2. The method as claimed in claim 1, wherein the step of evaluating  
2. comprises a step of defining parameters for at least one said zone.
1. 3. The method as claimed in claim 2, wherein the step of defining said  
2. parameters for at least one said zone comprises a step of associating said  
3. zone to one or more sectors.
1. 4. The method as claimed in claim 3, wherein the step of defining said  
2. parameters for at least one said zone comprises a step of retrieving said  
3. parameters from an external database.
1. 5. The method as claimed in claim 3, wherein the step of defining said  
2. parameters for at least one said zone comprises a step of receiving said  
3. parameters in a said electronic device from a user of said electronic  
4. device.
1. 6. The method as claimed in claim 1, wherein the step of executing said  
2. action comprises the step of turning off one or more transmitting functions  
3. of the electronic device.
1. 7. The method as claimed in claim 6, wherein the step of turning off the said  
2. transmitting functions of the electronic device comprises the step of turning  
3. off the said transmitting functions after a delay.

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- 1 8. The method as claimed in claim 1, wherein the step of executing said
- 2 action comprises the step of changing profile setting of the electronic
- 3 device to provide visual alert or vibrate alert without audio alert.
- 1 9. The method as claimed in claim 1, wherein the step of executing said
- 2 action comprises the step of increasing volume of an audio alert and
- 3 volume of a speaker.
- 1 10. The method as claimed in claim 1, wherein the step of executing
- 2 comprises the step of changing operation of all functions to preset default
- 3 modes if determined that said current location is not within at least one
- 4 said zone.
- 1 11. An electronic device operated in a wireless communication system, the
- 2 electronic device comprising:
  - 3 a processor for determining a current position of the electronic device;
  - 4 said processor further determining a current sector associated with said
  - 5 current location; said processor further evaluating said current sector to
  - 6 determine if one or more zone is associated with said current sector and
  - 7 executing an action to adjust a function of the electronic device if
  - 8 determined that at least one said zone is associated with said current
  - 9 sector and said current location is within at least one said zone.
- 1 12. The electronic device as claimed in claim 11, further comprises:
  - 2 a database coupled to said processor;
  - 3 said processor further for defining parameters for at least one said zone
  - 4 and storing parameters in said database.
- 1 13. The electronic device as claimed in claim 12, wherein said processor
- 2 further for associating said zone to one or more sectors.
- 1 14. The electronic device as claimed in claim 12, wherein said processor for
- 2 retrieving said parameters from an external database.

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1 15. The electronic device as claimed in claim 12, further comprises:

2       an input device coupled to said processor; said input device for allowing  
3       user to define said parameters for at least one said zone; and

4       said processor further for storing said parameters received from the user  
5       through said input device into said memory.

1 16. The electronic device as claimed in claim 11, wherein said action  
2       comprises a change to silent profile action, a change to default profile  
3       action, a change to theater profile action, a change to hospital profile  
4       action and a change to stadium action.

1 17. In a wireless communication system in which an electronic device is  
2       receiving location information from at least one satellite, a method for  
3       adjusting functions of the electronic device, comprising the acts of:

4       determining a current location of the electronic device using the location  
5       information;

6       evaluating said current location to determine if said current location is  
7       within at least one pre-defined zone; and

8       executing an action to adjust one or more functions of the electronic  
9       device if determined that said current location is within said at least one  
10      pre-defined zone.

1 18. The method of claim 17, wherein the act of executing said action  
2       comprises the act of turning off one or more transmitting functions of the  
3       electronic device.

1 19. The method of claim 17, wherein the act of evaluating said current location  
2       comprises the act of defining parameters for at least one said zone and  
3       storing said parameters in a database.

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- 1    20. The method of claim 17, wherein said act of executing comprises the act
- 2        of changing operation of all functions to preset default modes if determined
- 3        that said current location is not within said at least one pre-defined zone.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100